

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2016, Minnesota

Year	Coal ^a	Natural Gas ^b	Petroleum				Biomass	Geothermal ^e	Solar ^{e,f}	Retail Electricity Sales	Net Energy ^{e,g}	Electrical System Energy Losses ^h	Total ^{e,g}
			Distillate Fuel Oil	HGL ^c	Kerosene	Total							
	Year	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords					
1960	557	61	5,414	3,192	1,748	10,354	878	--	--	4,186	--	--	--
1965	352	86	6,309	4,152	1,556	12,017	682	--	--	6,063	--	--	--
1970	320	102	7,197	6,563	1,195	14,955	560	--	--	9,031	--	--	--
1975	70	114	7,242	6,203	558	14,004	563	--	--	10,189	--	--	--
1980	30	103	5,946	3,008	114	9,069	745	--	--	11,749	--	--	--
1985	48	107	3,973	2,465	137	6,574	957	--	--	13,261	--	--	--
1990	36	107	3,743	3,012	30	6,786	562	--	--	14,858	--	--	--
1995	34	129	3,085	4,567	50	7,702	498	--	--	16,974	--	--	--
1996	19	142	3,451	6,130	61	9,642	517	--	--	17,157	--	--	--
1997	12	129	2,932	5,803	52	8,787	404	--	--	17,073	--	--	--
1998	5	110	2,542	4,033	73	6,648	359	--	--	17,378	--	--	--
1999	2	119	2,102	4,984	32	7,118	368	--	--	17,998	--	--	--
2000	1	130	2,294	5,583	33	7,910	397	--	--	18,629	--	--	--
2001	(s)	125	2,288	4,890	188	7,365	399	--	--	19,400	--	--	--
2002	13	135	2,216	4,705	16	6,937	405	--	--	20,451	--	--	--
2003	(s)	138	2,413	5,884	18	8,316	427	--	--	20,638	--	--	--
2004	(s)	133	2,351	5,370	28	7,748	437	--	--	20,507	--	--	--
2005	6	129	1,956	5,197	27	7,181	533	--	--	21,743	--	--	--
2006	8	117	1,541	4,894	18	6,454	473	--	--	21,909	--	--	--
2007	6	129	1,544	5,111	11	6,666	523	--	--	22,646	--	--	--
2008	0	139	1,711	5,307	8	7,026	585	--	--	22,357	--	--	--
2009	0	133	1,018	5,377	18	6,413	701	--	--	22,034	--	--	--
2010	0	123	1,169	5,068	20	R 6,247	612	--	--	22,465	--	--	--
2011	0	125	987	5,075	13	R 6,075	626	--	--	22,524	--	--	--
2012	0	109	821	4,408	5	R 5,234	584	--	--	22,060	--	--	--
2013	0	140	966	5,136	9	R 6,111	806	--	--	22,850	--	--	--
2014	0	147	896	6,113	12	R 7,021	R 816	--	--	22,791	--	--	--
2015	0	118	770	5,317	8	R 6,095	R 606	--	--	21,714	--	--	--
2016	0	118	791	5,280	13	6,084	486	--	--	21,804	--	--	--
Trillion Btu													
1960	12.2	63.6	31.5	12.2	9.9	53.7	17.6	NA	NA	14.3	161.3	35.3	196.7
1965	7.7	86.3	36.7	15.9	8.8	61.5	13.6	NA	NA	20.7	189.8	49.4	239.2
1970	6.8	102.0	41.9	25.2	6.8	73.9	11.2	NA	NA	30.8	224.6	74.5	299.2
1975	1.3	114.7	42.2	23.8	3.2	69.1	11.3	NA	NA	34.8	231.2	83.4	314.6
1980	0.6	103.1	34.6	11.5	0.6	46.8	14.9	NA	NA	40.1	205.5	96.3	301.8
1985	0.9	107.1	23.1	9.5	0.8	33.4	19.1	NA	NA	45.2	205.7	103.6	309.4
1990	0.6	107.4	21.8	11.6	0.2	33.5	11.2	0.1	0.3	50.7	203.9	120.4	324.4
1995	0.7	130.4	18.0	17.5	0.3	35.8	10.0	0.2	0.4	57.9	235.2	124.3	359.5
1996	0.3	144.9	20.1	23.5	0.3	43.9	10.3	0.2	0.4	58.5	258.3	124.8	383.1
1997	0.2	131.2	17.1	22.3	0.3	39.6	8.1	0.2	0.4	58.3	237.9	121.8	359.7
1998	0.1	112.5	14.8	15.5	0.4	30.7	7.2	0.2	0.3	59.3	210.3	120.7	331.0
1999	(s)	121.2	12.2	19.1	0.2	31.5	7.4	0.2	0.3	61.4	222.1	131.2	353.2
2000	(s)	131.7	13.3	21.4	0.2	35.0	7.9	0.2	0.3	63.6	238.7	129.9	369.6
2001	(s)	126.3	13.3	18.8	1.1	33.1	8.0	0.3	0.3	66.2	234.1	135.6	369.8
2002	0.2	136.2	12.9	18.0	0.1	31.0	8.1	0.2	0.2	69.8	245.8	152.4	398.2
2003	(s)	139.1	14.0	22.6	0.1	36.7	8.5	0.4	0.2	70.4	255.3	171.9	427.2
2004	(s)	133.8	13.7	20.6	0.2	34.4	8.7	0.4	0.2	70.0	247.5	162.2	409.7
2005	0.1	130.2	11.4	19.9	0.2	31.5	10.7	0.4	0.1	74.2	247.2	157.0	404.2
2006	0.1	119.1	8.9	18.8	0.1	27.8	9.5	0.5	0.1	74.8	231.9	156.1	388.0
2007	0.1	131.4	8.9	19.6	0.1	28.6	10.5	0.6	0.1	77.3	248.6	165.2	413.8
2008	0.0	142.8	9.9	20.4	(s)	30.3	11.7	0.7	0.2	76.3	262.0	158.5	420.5
2009	0.0	137.3	5.9	20.6	0.1	26.6	14.0	0.9	0.2	75.2	254.2	152.9	407.1
2010	0.0	124.2	6.8	19.4	0.1	26.3	12.2	1.0	0.2	76.6	240.6	156.8	397.5
2011	0.0	126.4	5.7	19.5	0.1	R 25.2	12.5	1.0	0.2	76.9	R 242.2	154.4	R 396.7
2012	0.0	111.2	4.7	16.9	(s)	R 21.7	11.7	1.1	0.2	75.3	R 221.1	153.9	R 375.1
2013	0.0	143.1	5.6	19.7	0.1	R 25.3	16.1	1.1	0.3	78.0	R 263.8	152.9	R 416.7
2014	0.0	151.4	5.2	23.4	0.1	R 28.7	R 16.3	1.1	0.3	77.8	R 275.5	156.3	R 431.9
2015	0.0	122.1	4.4	20.4	(s)	R 24.9	R 12.1	1.1	0.3	74.1	R 234.5	139.9	R 374.4
2016	0.0	121.7	4.6	20.3	0.1	24.9	9.7	1.1	0.4	74.4	232.1	138.2	370.3

^a Beginning in 2008, data are no longer collected and are assumed to be zero.^b Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.^c Hydrocarbon gas liquids, assumed to be propane only.^d Wood and wood-derived fuels.^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.^g Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.^h Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.